

41664/DMC/V165

MONOLITHIC LOSS-OF-SIGNAL DETECT CIRCUITRY

ABSTRACT OF THE DISCLOSURE

A Loss Of Signal (LOS) circuit in an opto-electronic receiver circuit. The LOS circuit includes a current to voltage converter and a comparator circuit. The current to voltage circuit receives a current signal including a DC current signal component from a photodetector circuit included in the opto-electronic receiver. The current to voltage receiver generates a voltage signal in response to the DC current signal. The comparator circuit receives the voltage signal from the current to voltage circuit and generates a LOS signal from the voltage signal by comparing the voltage signal to a reference voltage signal.

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